

Belt Press-Mate™ Odor Control System

Specifications

Manifold Unit

1 Meter Press:	3 Wide Angle Nozzles
1-1/2 Meter Press:	4 Wide Angle Nozzles
2 Meter Press:	5 Wide Angle Nozzles
Filtrate Area:	1 Wide Angle Nozzle
Shipping Weight:	30 to 40 lbs.
Operating Weight:	30 to 40 lbs.
Nozzle Flow Rate:	2.8 gph
Operating Pressure:	60 to 70 psi

Utilities

Water: 4 gpm, 45 psi, Potable

Operating Costs

Chemical Costs/nozzle/hr: \$0.35 to \$0.40



Applications

Municipal Wastewater Sites

- Belt Press Operations
- Belt Thickener Operations

Industrial Sites

- Belt Press Operations
- Thickener Operations

Companion Chemical Feed System

- Mist Pro® Chemical Feed and Dilution System
- Series 950 Chemical Feed and Dilution System

System Overview

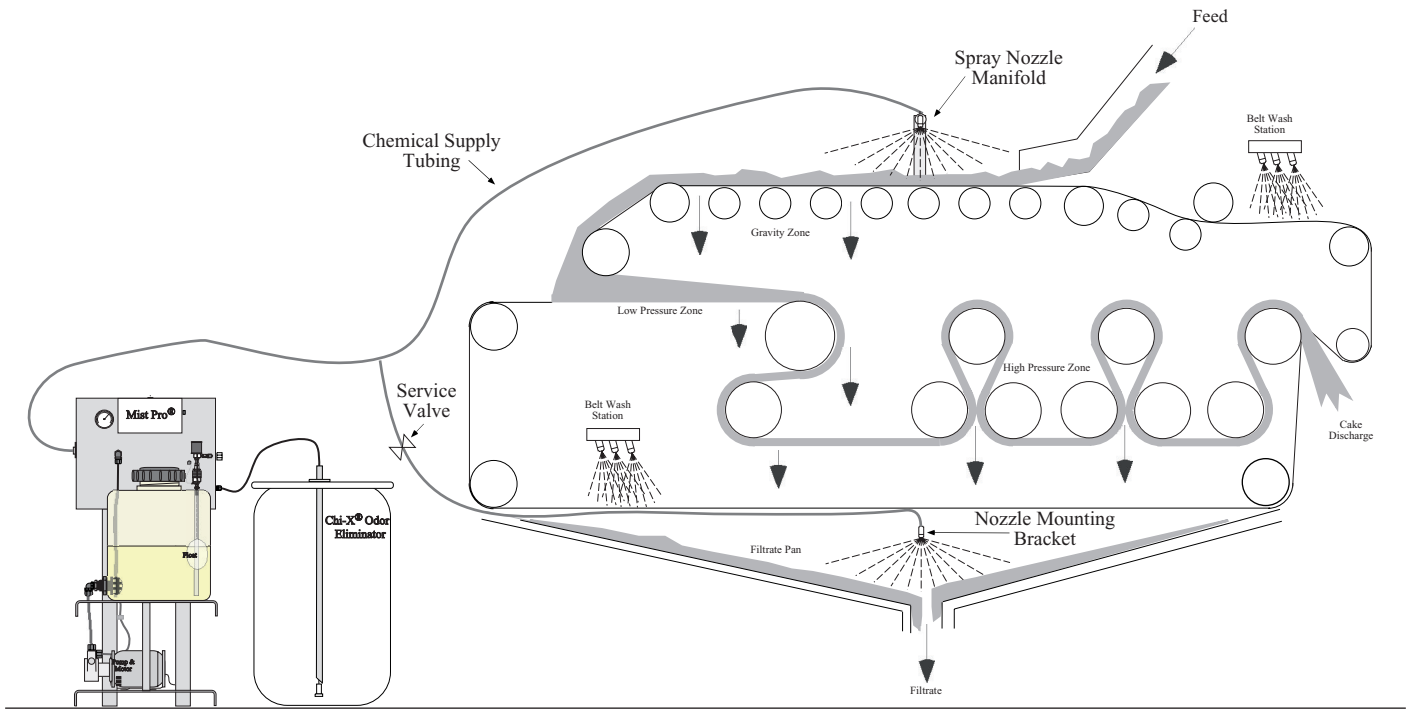
The Belt Press-Mate™ is a low capital cost approach for controlling organic sludge odors generated by belt press dewatering operations. The system is easy to install, easy to operate, and costs less than \$2.00 per operating hour.

The spray manifold distributes odor control chemical on to the sludge with a semi-coarse spray as it flows to the gravity section of the belt. The manifolds are manufactured to fit the belt size with an adjustable height to properly position the spray pattern. As chemistry contacts the organic sludge, there is an immediate reduction of odor from the top of the press, the filtrate discharge area, and the dewatered sludge. After treatment, sludge can be conveyed through non-process areas without spreading odors.

NuTech's Mist Pro® Chemical Feed System supplies the Chi-X® Odor Eliminator to the spray manifold. The system is ideal for applications with one or two belt presses. For installations with a greater number of presses, ventilation of the space with one of NuTech's VPS™ or QCID™ Ventilated Odor Control Systems may be more cost effective.

Technical Experts in Odor Control





Typical One Meter Press 3-Nozzle
Belt Press-Mate Arrangement

